

## **Appendix E**

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### **List of Personnel and Resumes of Recycled Uranium Working Group**

The personnel assigned to the working group are listed below with a brief resume of experience related to Uranium processing. Some of the personnel were retired from the site and returned under a subcontract to provide the necessary information.

Sharon Bokan  
Robert Bistline  
Steve Cunningham  
Duane Dunn  
Ken Freiburg  
Lewis GiGiallonardo  
Jim Hammetter  
Rod Hoffman  
Bill Leslie  
Wayne Meyers  
Jack OBrian  
Carol Patnoe  
Carrol Pittel  
Ed Vejvoda  
Ken Wills  
Larry Wilson  
Wil Zurliene

#### **Sharon Bokan**

Miss Bokan has a Bachelor of Science Degree in Metallurgical Engineering from Colorado School of Mines. She worked from 1981 to 1989 as General Metallurgy Research and Development (R&D) Engineer and War Reserve (WR) Production Support Engineer in Buildings 444, 865 and 883 for Depleted Uranium (DU) and other metals. She worked as Production Support Engineer on WR DU parts, R&D Engineer for the Linear Accelerator calorimeter and shielding plate projects, R&D Penetrator project, and the armor plate project. She was also the Lead Engineer for the non-Pu Metallography Labs.

#### **Robert W. Bistline, Ph.D. AME/ESD**

Mr. Bistline served 29 years (1966-1995) as Health Physicist and Senior Research Specialist with the contractors at Rocky Flats providing research and development, manager of the lung counter facility, conducting health effects studies of the worker population, and Environmental Research Manager. His health effects studies included radiation cytogenetic studies of approximately 2000 radiation and chemically exposed workers having internal depositions of radionuclides, established a health surveillance and testing program for current and former beryllium workers at Rocky Flats (over 7000

participants from over 20,000 contacted), and was a prosector for the U.S. Uranium and Transuranium Registry ( assisted and coordinated over 115 autopsies of former Rocky Flats Workers). The past 5 years ( 1995-present ) he has served as an excepted service health physicist and is currently program manager of the Radiation Protection, Occupational Medicine, Chronic Beryllium Disease Prevention, Epidemiology, and Neutron Dose Reconstruction Programs for the U.S. Department of Energy Rocky Flats Field Office. He has authored or co-authored over 50 scientific publications and given several hundred presentations and talks on his studies.

### **Steven Cunningham**

Mr. Cunningham has been a member of the Classification Office at Rocky Flats for 17 years and the Manager for the last 5 years. He has wide experience in all aspects of the site operations, including some special programs that utilized depleted uranium. He contributed to the current Plant Classification Guide and co-authored a classification guide for a "black" program that used depleted uranium. Mr. Cunningham also assisted the working group by providing classification guidance during the working group meetings.

### **Duane Dunn**

Mr. Dunn is recognized by the Institute of Nuclear Materials Management ,INMM, as a certified Nuclear Materials Manager and has received the INMM Meritorious Award in recognition of his outstanding contributions in the field of nuclear materials management. He has over 40 years experience at Rocky Flats in all aspects of Nuclear Materials Control and Accountability. He transitioned the site safeguards accounting system from a manual process to a computerized system with near real time accounting information. His institutional knowledge and experience resulted in efficient search, location and retrieval of old nuclear material accountability data that was required for the Mass Balance information in this report.

### **Kenneth J. Freiberg**

Mr. Freiberg has worked at the DOE Rocky Flats Site for 47 years. His area's of work experience and expertise include; Health Physics, Engineering, Project Management, Construction, Maintenance and Facility Management. From 1953-1975 he worked in the Health Physics Department, as a Radiation Monitor, Technician, Foreman and Unit Leader, on the startup and operation of the Uranium and Plutonium Facilities. His principle job duties in Health Physics included; Radiation/Contamination Monitoring Functions, Internal and External Dosimetry, Shielding, Air Sampling, Decontamination, Radiological Engineering, etc. During this time he worked in all the Uranium Buildings at Rocky Flats, including; 444/447, 881, 883, 865, 886, 889, etc. He also developed and implemented new Health Physics design criteria for new facilities and modifications to old facilities to ensure proper protection and safety of personnel working in the Uranium and Plutonium Facilities. During 1975-1986 he was responsible for Project Management and all major engineering and construction projects at Rocky Flats, including Bldg. 371,

Bldg. 460 and all Safety/Security upgrades. From 1987-1991 he was manager of Support Operations/Maintenance for the Rocky Flats site. During 1991-2000 he has been providing consultant services to Rocky Flats and other DOE sites in the areas of Health Physics, Project Management, Maintenance, Facility Management and Technical Support.

#### **Lewis DiGiallonardo**

Mr. DiGiallonardo started at Rocky Flats in 1953 working as an operator in the foundry areas of Buildings 444, 771 and 881 and in the Building 776 chemistry areas. In these areas, he worked with depleted and enriched Uranium and Beryllium. From 1981 to 1986, he was the manager of Foundry Operations in Building 444/447 overseeing DU and Beryllium casting, heat treating, arc and induction melting furnace operations and plating lab operations. He was also Building Superintendent for all operations in Buildings 444/447 for approximately 3 years. From 1986 to 1988, he supervised Foundry Operations in Buildings 707 and 776/777. He oversaw rolling, forming, heat treating and briquetting operations. Mr. DiGiallonardo also managed all Production Operations in Buildings 707 and 776/777.

#### **James R. Hammetter**

Mr. Hammetter has a Bachelor of Science Degree in Mechanical Engineering and a Masters of Science Degree in Metallurgy from Marquette University. He was an R&D Engineer in the General Metallurgy Group at Rocky Flats assigned to the Building 444 Foundry Operations to trouble shoot vacuum induction melting, vacuum arc melting and heat treatment of DU and DU alloys. He later became the lead engineer involved in cast bonding on DU and its alloys, rolling, forming, extrusion and machining of DU and its alloys. Mr. Hammetter was also an R&D Engineer on the armor plate project.

#### **Rodney B. Hoffman**

Mr. Hoffman graduated from Florida State University in 1962 with a BS degree in Physics. He started work at Rocky Flats in 1963 in the Instrument Lab with the responsibility for the design and maintenance of various process control instruments. In 1965, was assigned as a Project Engineer responsible for the development of various nuclear weapon systems. In 1973, assigned as a Classification Analyst in the Contractor Classification Office. In 1975, he was appointed Contractor Classification Officer, and was responsible for the development of classification guidance, training classifiers, rendering classification decisions and classification awareness. Other duties were added which included managing the Classified Document Control Office, Product Definition, Technical Writing, Technical Information and other. In 1992, He was hired by the DOE Rocky Flats Field Office as the Classification Officer. As the Rocky Flats Classification Officer, he has the responsibility for the Field Office classification program, and for oversight of the Contractor program. He also has some experience with most phases of plant operations. In addition to his plant knowledge Mr. Hoffman provided classification guidance to the team meetings and reviewed the Mass Balance data.

### **Theodore M. Karas**

Mr. Karas has a Bachelor of Science degree in Engineering/Construction Management from the University of Florida. He has over sixteen years of project/program management experience at the Rocky Flats Site. As a project manager in the Facilities Engineering and Construction division, he was responsible for numerous projects in Buildings 444/447 and 881, including several weapons program projects in the uranium foundry. Mr. Karas was also the program manager for the highly enriched uranyl nitrate solution removal project in Building 886, which was successfully completed in 1996. He also managed several Decontamination and Decommissioning, environmental closure and nuclear hold-up material removal projects, which included extensive analysis and characterization tasks.

### **William W. Leslie**

Mr. Leslie worked as a Chemical and Experimental Operator from 1953 to 1960, performing all operations in Buildings 331, 444/447 and 883 involving DU. These operations included vacuum arc melting, vacuum induction casting, machining, recovery (crushing, pickling and briquetting), mold preparation (before and after casting), chip roasting, charge preparation, scrap reduction, heat treating, rolling and forming. During this period he also worked in Buildings 771 and 881 performing recovery operations involving U-235 and Pu.

From 1960 to 1980, he worked as a Development Specialist working on an ingot source beryllium process. This involved casting scrap beryllium, rolling beryllium billets clad in stainless steel to sheet and forming shapes. This process was accepted for production applications. During this period he was also involved in developing DU alloys. From 1980 to 1988, he was the R&D liaison representative and a Senior Development Engineer with Production Management in Buildings 444/447, 460, 881 and 883. He represented the R&D groups (General Metallurgy, Physical Metallurgy, Coatings, Joining, Assembly Systems and Machining) when production problems occurred. He would arrange for the proper R&D group(s) to resolve any problems.

### **Wayne Meyers**

Mr. Meyers was the team leader of the Recycled Uranium Working Group. He is a registered Professional Nuclear Engineer with 43 years experience including the last 13 at Rocky Flats in a number of positions. He has been involved in the contractor interfaces with DOE headquarters ES&H on a number of safety related issues. Prior to Rocky Flats assignment he was the General Manager of Atomics International of Rockwell International, providing home office support to the site. During this period at Atomics International he was involved with the penetrator project and the armor plate project. In the past several years he has established several groups of "old timers" to develop historical information on safety issues, including a search for reactive materials. This experience was used to establish the membership of this working group.

### **Jack O'Brien**

Mr. O'Brien has a Bachelor of Science degree in Physics from Colorado College and a Masters Degree in Physics from Vanderbilt University. He served as a Radiation Engineer at Rocky Flats (1950-55). His work experience includes all phases of nuclear weapons system development and manufacturing, including both warhead and delivery systems. He was also the Regional Environmental Coordinator for Energy Research and Development Agency/DOE R&D programs (1977-83) and as the Chief of the Operations and Facility Management Branches of the Rocky Flats Area Office (1983-90).

### **Carol Patnoe**

Carol Patnoe has been an environmental engineer at the DOE Rocky Flats Site for 10 years. She was project lead for the environmental team that developed the comprehensive source inventory of site operations and documentation of emissions of air pollutants during 1990-91. The Air Pollution Emission Notice (APEN) Reports (inventory reporting mechanism) were prepared for every site building and included descriptions of existing and proposed plant processes, effluent stack configurations, and quantified air pollutant emissions. For most of this period she has been Program Manager of the Environmental Air Permitting and Compliance Program for the site and has been responsible for permitting and monitoring compliance with the CAA statutes and regulations including agency negotiations and liaison with the DOE. Recently, she has worked with the Pollution Prevention Program. Ms. Patnoe has a Bachelor of Science Degree in Chemistry and has over 15 years of experience in Regulatory Affairs, Compliance and Project Management.

### **Carrol A. Pittel**

Ms. Pittel has 10 years of experience including: safeguards procedure writing, declassification of classified documents, technical administrative coordinator and purchasing coordinator. She has a Bachelors degree in Business Administration from the University of Phoenix and an Associates degree of Applied Science, Accounting from Front Range Community College. Ms. Pittel currently holds a DOE Q clearance. Specific experience related to this procurement includes:

Experience with writing Safeguards Procedures and job aides for various organizations and functions in the Rocky Flats Nuclear Materials Accountability organization and working with classified nuclear materials accounting information. Working with a major project for reviewing, redacting and/or declassification of documentation related to "Material Unaccounted For" at Rocky Flats. Establishment and maintenance of classified and unclassified computer databases and action tracking systems related to material accounting activities at Rocky Flats.

### **Edward Vejvoda**

Mr. Vejvoda has 48 years of experience with plutonium and uranium in the areas of recovery, processing, pyrochemistry, foundry, manufacturing operations, analytical services, and waste management. He also has been responsible for the management of plutonium and uranium facilities. Most of his direct experience has been the 35 years at Rocky Flats. Mr. Vejvoda has been a consultant for the last 13 years with LATA with assignments at Rocky Flats, Hanford, INEEL, and Savannah River in the areas of D&D and waste management. He has a B.A. and M.A. in chemistry and physics.

### **Kenneth J. Wills**

Mr. Wills has 17 years of experience includes safety analysis, project management, waste management and nuclear fuels processing. He has a Masters degree in Chemical Engineering from the University of Tennessee and a Bachelors degree in Chemical Engineering from Michigan Technological University. He is also a registered professional engineer in Tennessee.

Mr. Wills' experience with previous employers includes: providing technical and project management support to the DOE Office of Environmental Restoration (EM-40) in Germantown, MD; performing safety analysis at Mound and Y-12; conducting waste management design activities at Fernald, Rocky Flats and Y-12; and design, testing and start-up of gas centrifuge enrichment facilities.

Specific experience related to this procurement includes: 5 years of providing support to the surveillance and maintenance program at K-25; hands on experience with systems checkout and start up of processes and equipment; and experience conducting safety analysis and process design at DOE fuels processing facilities, including Y-12, Mound, and Rocky Flats.

### **Larry Wilson**

Mr. Wilson has 37 total years of experience at the Rocky Flats Environmental Technology Site (Site). Mr. Wilson holds a Bachelor of Science degree in Mechanical Engineering Technology and an Associate Degree in Quality Assurance. Approximately 30 years of experience were attained with the M&O contractors in assignments associated with the production of weapon products. Specific job responsibilities included quality engineering, product engineering, and program management. In the program management assignment, Mr. Wilson was responsible for all Site activities associated with specific weapon programs and directed plant efforts pertaining to development of products for new weapons programs and for the delivery of test assemblies for the weapons development program. Approximately 20 years of the Site experience were

directly involved with production of uranium and uranium alloy weapon components, including ingot casting, rolling, forming, machining, inspection, and testing. Mr. Wilson is currently serving as a contractor to the DOE Rocky Flats Field Office, providing support to DOE's efforts to dispose of the Site's special nuclear materials."

**Wilbert G. Zurliene**

Mr. Zurliene has a Bachelor of Science Degree in Business Administration from the University of Rhode Island and a Masters of Science Degree in Environmental Science and Engineering from the Colorado School of Mines. He has over 35 years in the field of Radiation Protection and Health Physics, ten of which are at the Rocky Flats Site. He has been involved in Radiation Protection Program development, management, and implementation. He is the Site Radiation Protection Manager. Prior to Rocky Flats his work experience included Radiation Protection Program elements within the U.S. Naval Nuclear Program, U.S. power reactor Health Physics, Radiation Protection Manager for General Dynamics Land Systems M1A1 Heavy Armor Program and member of five DOE Technical Safety Appraisals.